



SEQUENCE LISTING

Scott M. Glaser
Amylin Pharmaceuticals, Inc.

RECEIVED

MAY 10 2001

TECH CENTER 1600/2900

<120> HIGH AFFINITY EXENDIN RECEPTORS

<130> 030639.0036.UTL (246/091)

<140> 09/718,280

<141> 2000-11-21

<150> 60/166,899

<151> 1999-11-22

<160> 17

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 35

<212> DNA

<213> Artificial Sequence

<220>

<223> Artificial Sequence is synthesized

<400> 1

ctactactac taagcgatgg cccagtcctg aactc

35

<210> 2

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Artificial Sequence is synthesized

<400> 2

gcctgaagat ccattgctca gagaa

25

<210> 3

<211> 31

<212> DNA

<213> Artificial Sequence

<220>

<223> Artificial Sequence is synthesized

<400> 3
ctatacttaa gcttccccgc catggccggc g 31

<210> 4
<211> 75
<212> DNA
<213> Homo Sapien

<220>
<221> CDS
<222> (1)...(75)
<223> GLP-1 Receptor

<400> 4
agc tgc ccc tgg tac ctg ccc tgg gcc agc agt gtg ccg cag ggc cac 48
Ser Cys Pro Trp Tyr Leu Pro Trp Ala Ser Ser Val Pro Gln Gly His
1 5 10 15

gtg tac cgg ttc tgc aca gct gaa ggc 75
Val Tyr Arg Phe Cys Thr Ala Glu Gly
20 25

<210> 5
<211> 25
<212> PRT
<213> Homo Sapien

<400> 5
Ser Cys Pro Trp Tyr Leu Pro Trp Ala Ser Ser Val Pro Gln Gly His
1 5 10 15
Val Tyr Arg Phe Cys Thr Ala Glu Gly
20 25

<210> 6
<211> 75
<212> DNA
<213> Homo Sapien

<220>
<221> CDS
<222> (1)...(75)
<223> Human Exendin Receptor

<400> 6
agc tgc ccc tgg tac ctg ccc tgg gcc agc agt gtg ccg cag ggc cac 48
Ser Cys Pro Trp Tyr Leu Pro Trp Ala Ser Ser Val Pro Gln Gly His
1 5 10 15

gtg tac cgg ttc tgc aca gct gaa ggc 75
Val Tyr Arg Phe Cys Thr Ala Glu Gly
20 25

<210> 7
 <211> 25
 <212> PRT
 <213> Homo Sapien

<400> 7
 Ser Cys Pro Trp Tyr Leu Pro Trp Ala Ser Ser Val Pro Gln Gly His
 1 5 10 15
 Val Tyr Arg Phe Cys Thr Ala Glu Gly
 20 25

<210> 8
 <211> 75
 <212> DNA
 <213> Homo Sapien

<220>
 <221> CDS
 <222> (1)...(75)
 <223> Human Exendin Receptor

<400> 8
 agc tgc ccc tgg tac ctg ccc cgg gcc agc agt gtg ccg cag ggc cac 48
 Ser Cys Pro Trp Tyr Leu Pro Arg Ala Ser Ser Val Pro Gln Gly His
 1 5 10 15
 gcg tac cgg ttc tgc aca gct gaa ggc 75
 Ala Tyr Arg Phe Cys Thr Ala Glu Gly
 20 25

<210> 9
 <211> 25
 <212> PRT
 <213> Homo Sapien

<400> 9
 Ser Cys Pro Trp Tyr Leu Pro Arg Ala Ser Ser Val Pro Gln Gly His
 1 5 10 15
 Ala Tyr Arg Phe Cys Thr Ala Glu Gly
 20 25

<210> 10
 <211> 75
 <212> DNA
 <213> Homo Sapien

<220>
 <221> CDS
 <222> (1)...(75)
 <223> GLP-1 Receptor

<400> 10
 ctc tgg ctg cag aag gac aac tcc agc ctg ccc tgg agg gac ttg tcg 48
 Leu Trp Leu Gln Lys Asp Asn Ser Ser Leu Pro Trp Arg Asp Leu Ser
 1 5 10 15
 gag tgc gag gag tcc aag cga ggg gag 75
 Glu Cys Glu Glu Ser Lys Arg Gly Glu
 20 25

<210> 11
 <211> 25
 <212> PRT
 <213> Homo Sapien

<400> 11
 Leu Trp Leu Gln Lys Asp Asn Ser Ser Leu Pro Trp Arg Asp Leu Ser
 1 5 10 15
 Ser Cys Glu Glu Ser Lys Arg Gly Glu
 20 25

<210> 12
 <211> 75
 <212> DNA
 <213> Homo Sapien

<220>
 <221> CDS
 <222> (1)...(75)
 <223> Human Exendin Receptor

<400> 12
 ctc tgg ctg cag aag gac aac tcc agc ctg ccc tgg agg gac ttg tcg 48
 Leu Trp Leu Gln Lys Asp Asn Ser Ser Leu Pro Trp Arg Asp Leu Ser
 1 5 10 15
 gag tgc gag gag tcc aag cga ggg gag 75
 Glu Cys Glu Glu Ser Lys Arg Gly Glu
 20 25

<210> 13
 <211> 25
 <212> PRT
 <213> Homo Sapien

<400> 13

Leu Trp Leu Gln Lys Asp Asn Ser Ser Leu Pro Trp Arg Asp Leu Ser
1 5 10 15
Glu Cys Glu Glu Ser Lys Arg Gly Glu
20 25

<210> 14

<211> 706

<212> DNA

<213> Homo Sapien

<400> 14

atggccggcg	cccccgccc	gctgcgctt	gcgctgctgc	tgctcgggat	ggtgggcagg	60
gccggccccc	gccccaggg	tgccactgtg	tccctctggg	agacggtgca	gaaatggcga	120
gaataccgac	gccagtgcc	gcgctccttg	actgaggatc	cacctcccgc	cacagacttg	180
ttctgcaacc	ggaccttcga	tgaatacgcc	tgctggccag	atggggagcc	aggctcgttc	240
gtgaatgtca	gctgcccctg	gtacctgccc	cggctccagca	gtgtgccgca	gggccacgcg	300
taccggttct	gcacagctga	aggcctctgg	ctgcagaagg	acaactccag	cctgccctgg	360
aggaacttgc	tggagtgcga	ggagtccaag	cgaggggaga	gaagctcccc	ggaggagcag	420
ctcctgttcc	tctacatcat	ctacacggtg	ggctacgcac	tctccttctc	tgctctggtt	480
atcgctctctg	cgatcctcct	cggcttcaga	cacctgcact	gcaccaggaa	ctacatccac	540
ctgaacctgt	ttgcatcctt	catcctgcga	gcattgtccg	tcttcatcaa	ggacgcagcc	600
ctgaagtgga	tgtatagcac	agccgcccag	cagcaccagt	gggatgggct	cctctcctac	660
caggactctc	tgagctgccg	cctggtgttt	ctgctcatgc	agtact		706

<210> 15

<211> 706

<212> DNA

<213> Homo Sapien

<400> 15

atggccggcg	cccccgccc	gctgcgctt	gcgctgctgc	tgctcgggat	ggtgggcagg	60
gccggccccc	gccccaggg	tgccactgtg	tccctctggg	agacggtgca	gaaatggcga	120
gaataccgac	gccagtgcc	gcgctccttg	actgaggatc	cacctcctgc	cacagacttg	180
ttctgcaacc	ggaccttcga	tgaatacgcc	tgctggccag	atggggagcc	aggctcgttc	240
gtgaatgtca	gctgcccctg	gtacctgccc	tgggccagca	gtgtgccgca	gggccacgtg	300
taccggttct	gcacagctga	aggcctctgg	ctgcagaagg	acaactccag	cctgccctgg	360
agggacttgt	cggactgcga	ggagtccaag	cgaggggaga	gaagctcccc	ggaggaccag	420
ctcctgttcc	tctacatcat	ctacacggtg	ggctacgcac	tctccttctc	tgctctggtt	480
atcgctctctg	cgatcctcct	cggcttcaga	cacctggact	gcaccaggaa	ctacatccac	540
ctgaacctgt	ttgcatcctt	catcctgcga	gcattgtccg	tcttcatcaa	ggacgcagcc	600
ctgaaatgga	tgtatagcac	agccgcccag	cagcaccagt	gggatgggct	cctctcctac	660
caggactctc	tgagctgccg	cctggtgttt	ctgctcatgc	agtact		706

<210> 16

<211> 234

<212> PRT

<213> Homo Sapien

<400> 16

Met Ala Gly Ala Pro Gly Pro Leu Arg Leu Ala Leu Leu Leu Gly
1 5 10 15
Met Val Gly Arg Ala Gly Pro Arg Pro Gln Gly Ala Thr Val Ser Leu
20 25 30

Trp Glu Thr Val Gln Lys Trp Arg Glu Tyr Arg Arg Gln Cys Gln Arg
 35 40 45
 Ser Leu Thr Glu Asp Pro Pro Pro Ala Thr Asp Leu Phe Cys Asn Arg
 50 55 60
 Thr Phe Asp Glu Tyr Ala Cys Trp Pro Asp Gly Glu Pro Gly Ser Phe
 65 70 75 80
 Val Asn Val Ser Cys Pro Trp Tyr Leu Pro Arg Ala Ser Ser Val Pro
 85 90 95
 Gln Gly His Ala Tyr Arg Phe Cys Thr Ala Glu Gly Leu Trp Leu Gln
 100 105 110
 Lys Asp Asn Ser Ser Leu Pro Trp Arg Asn Leu Ser Glu Cys Glu Glu
 115 120 125
 Ser Lys Arg Gly Glu Arg Ser Ser Pro Glu Glu Gln Leu Leu Phe Leu
 130 135 140
 Tyr Ile Ile Tyr Thr Val Gly Tyr Ala Leu Ser Phe Ser Ala Leu Val
 145 150 155 160
 Ile Ala Ser Ala Ile Leu Leu Gly Phe Arg His Leu His Cys Thr Arg
 165 170 175
 Asn Tyr Ile His Leu Asn Leu Phe Ala Ser Phe Ile Leu Arg Ala Leu
 180 185 190
 Ser Val Phe Ile Lys Asp Ala Ala Leu Lys Trp Met Tyr Ser Thr Ala
 195 200 205
 Ala Gln Gln His Gln Trp Asp Gly Leu Leu Ser Tyr Gln Asp Ser Leu
 210 215 220
 Ser Cys Arg Leu Val Phe Leu Leu Met Gln
 225 230

<210> 17
 <211> 234
 <212> PRT
 <213> Homo Sapien

<400> 17
 Met Ala Gly Ala Pro Gly Pro Leu Arg Leu Ala Leu Leu Leu Gly
 1 5 10 15
 Met Val Gly Arg Ala Gly Pro Arg Pro Gln Gly Ala Thr Val Ser Leu
 20 25 30
 Trp Glu Thr Val Gln Lys Trp Arg Glu Tyr Arg Arg Gln Cys Gln Arg
 35 40 45
 Ser Leu Thr Glu Asp Pro Pro Pro Ala Thr Asp Leu Phe Cys Asn Arg
 50 55 60
 Thr Phe Asp Glu Tyr Ala Cys Trp Pro Asp Gly Glu Pro Gly Ser Phe
 65 70 75 80
 Val Asn Val Ser Cys Pro Trp Tyr Leu Pro Trp Ala Ser Ser Val Pro
 85 90 95
 Gln Gly His Val Tyr Arg Phe Cys Thr Ala Glu Gly Leu Trp Leu Gln
 100 105 110
 Lys Asp Asn Ser Ser Leu Pro Trp Arg Asp Leu Ser Glu Cys Glu Glu
 115 120 125
 Ser Lys Arg Gly Glu Arg Ser Ser Pro Glu Glu Gln Leu Leu Phe Leu
 130 135 140
 Tyr Ile Ile Tyr Thr Val Gly Tyr Ala Leu Ser Phe Ser Ala Leu Val
 145 150 155 160
 Ile Ala Ser Ala Ile Leu Leu Gly Phe Arg His Leu His Cys Thr Arg
 165 170 175
 Asn Tyr Ile His Leu Asn Leu Phe Ala Ser Phe Ile Leu Arg Ala Leu

		180					185			190			
Ser	Val	Phe	Ile	Lys	Asp	Ala	Ala	Leu	Lys	Trp	Met	Tyr	Ser
		195					200					205	Thr
Ala	Gln	Gln	His	Gln	Trp	Asp	Gly	Leu	Leu	Ser	Tyr	Gln	Asp
	210					215					220	Ser	Leu
Ser	Cys	Arg	Leu	Val	Phe	Leu	Leu	Met	Gln				
225					230								